

Source Control Proposed Plan

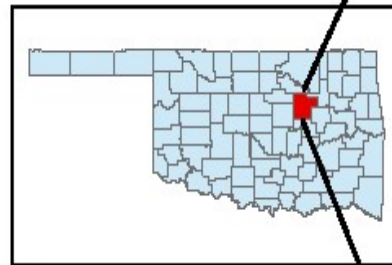
WILCOX OIL COMPANY, BRISTOW, OK

PRIORITY PANEL PRESENTATION

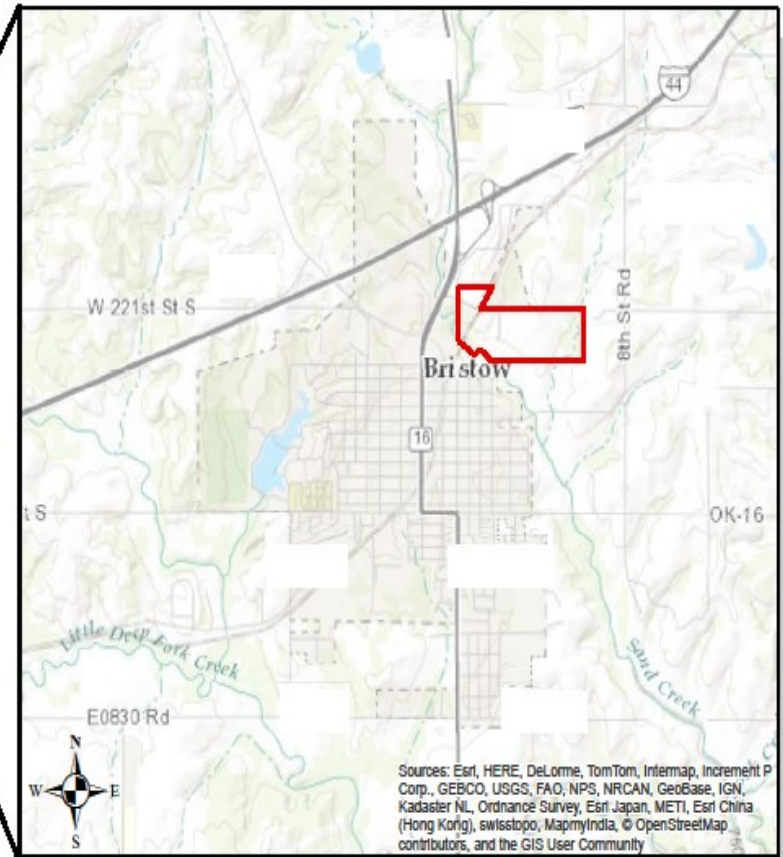


Site Location

The Site is situated NE of Bristow, Creek County, Oklahoma



Wilcox Oil Company Superfund Site Bristow, OK



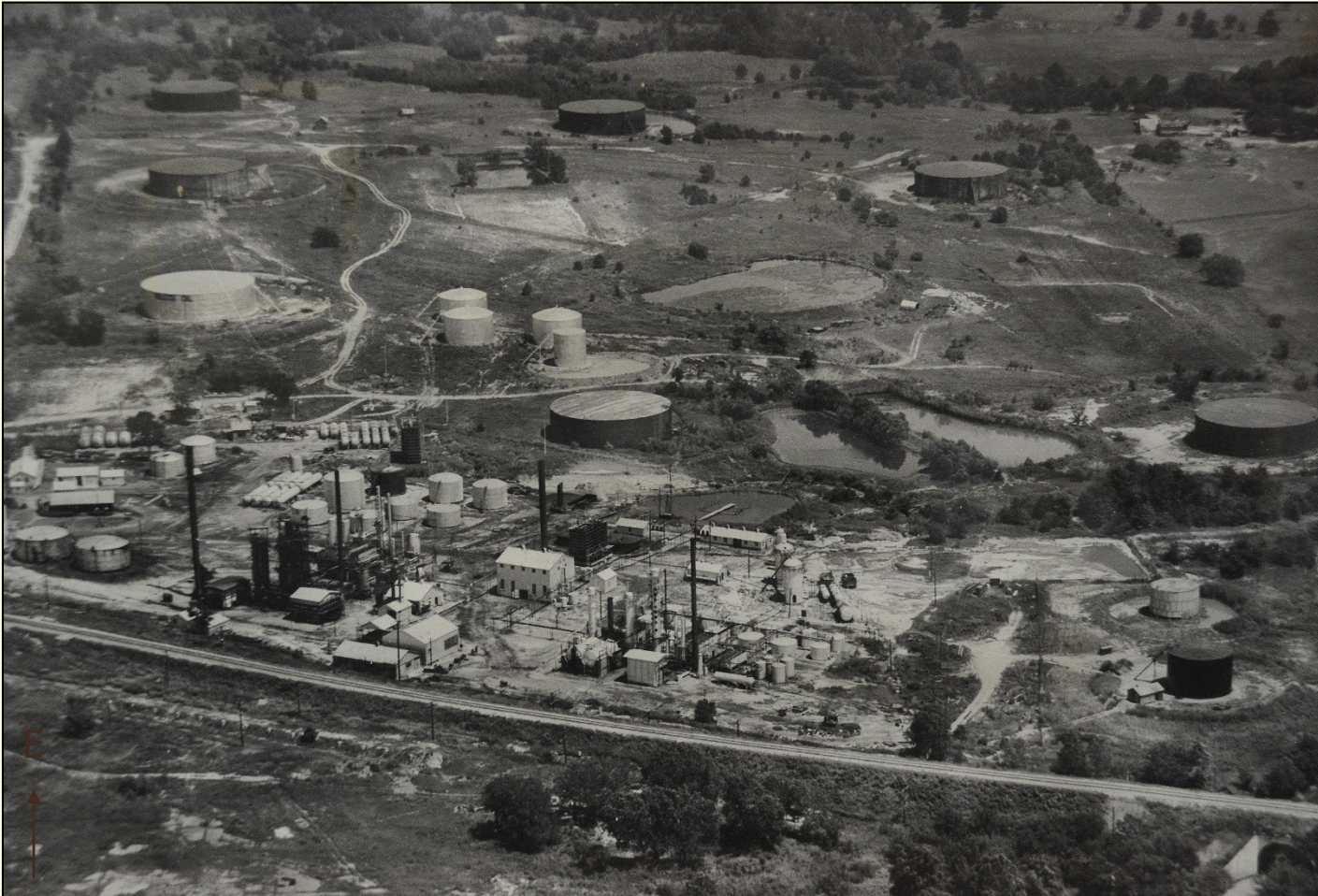
Site Background

Operation:
Oil Refinery

Activity Period:
1915 through 1963

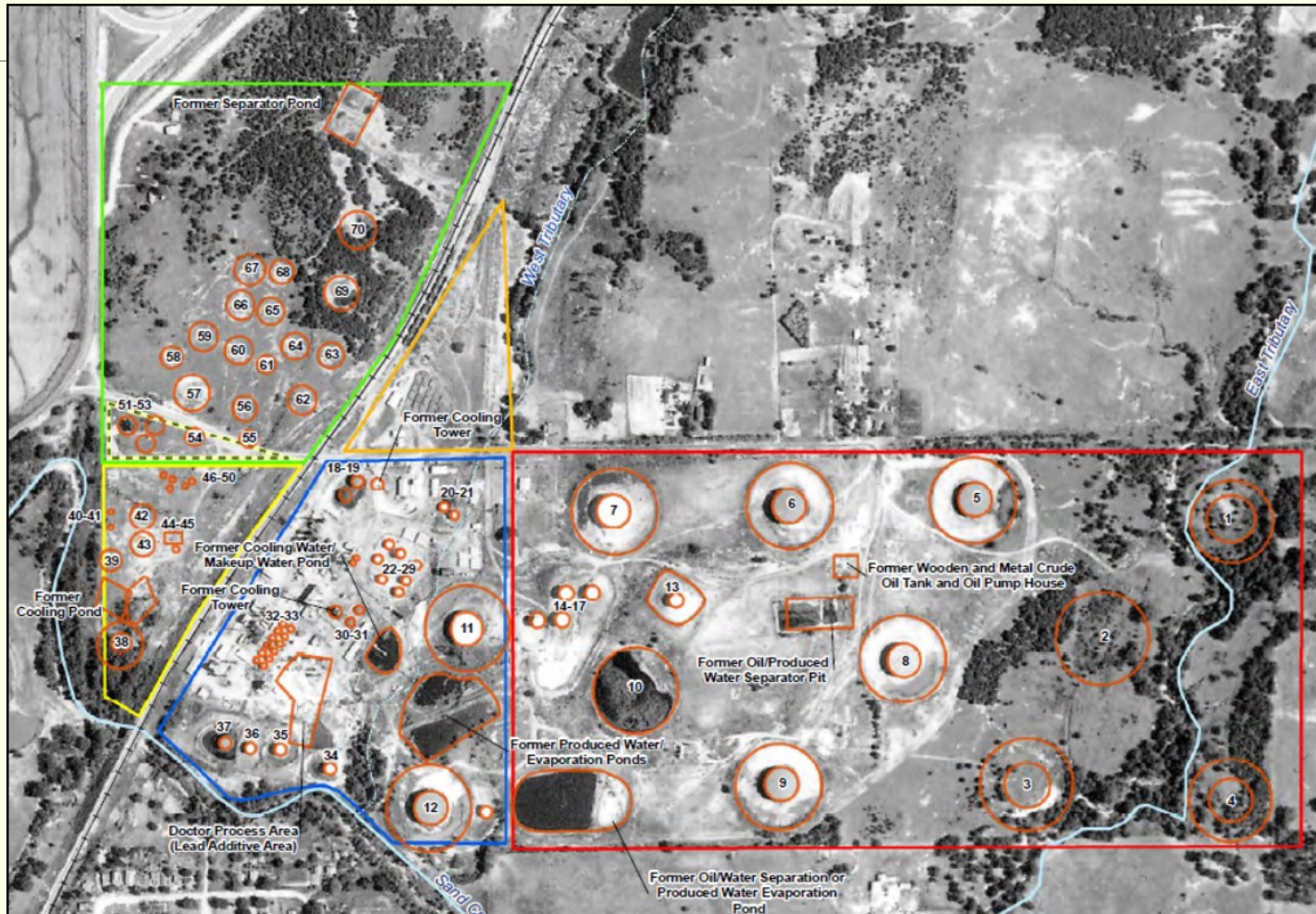
Size:
about 140 to 150
acres

Listed:
December 12, 2013

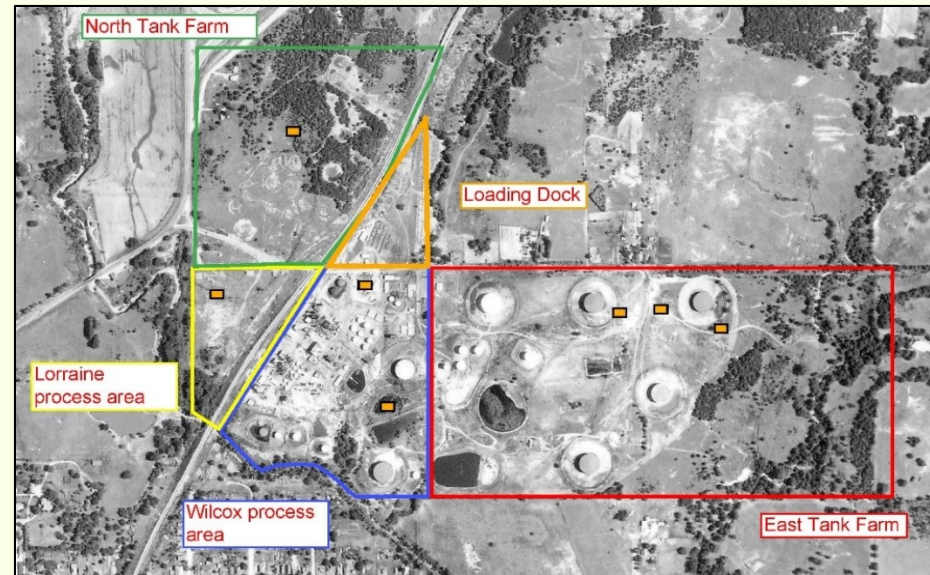
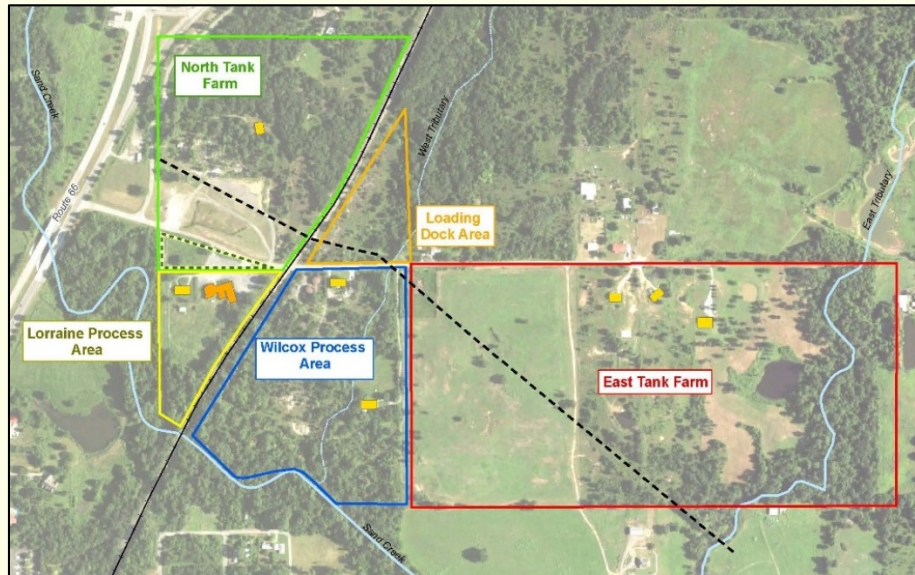


1950s Aerial Photograph

RI: 2015 - ongoing



RI: Residential Development



Sources

Source Identification

- Tank waste
- Lead Additive Area



Risks from Sources

HUMAN HEALTH

- Direct and Ingestion Risk
- VI pathway complete
- Migration to shallow soil-residential properties
- No natural degradation for lead area
- Minimal to no degradation for tar-waste

ECOLOGICAL

- Direct and Ingestion Risk
- Migration to Creeks, soil, and shallow ground water complete
- No natural degradation for lead area
- Minimal to no degradation for tar-waste
- Shallow ground water connected to creek

Source Control ROD

Excavation, Treatment and Offsite Disposal

\$4,135,294

Source Material Health-Based Target Levels¹			
Contaminant	Data Results (mg/kg)	Health Based Target Level (mg/kg)	Health-Based Target Level Basis
Lead	105,000	800	Protection of blood lead levels in workers
Benzo(a)pyrene	12	0.11	Residential Cancer Screening Number at 10 ⁻⁶ Risk
1- Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2017 mg/kg = milligram per kilogram			

Source Control ROD

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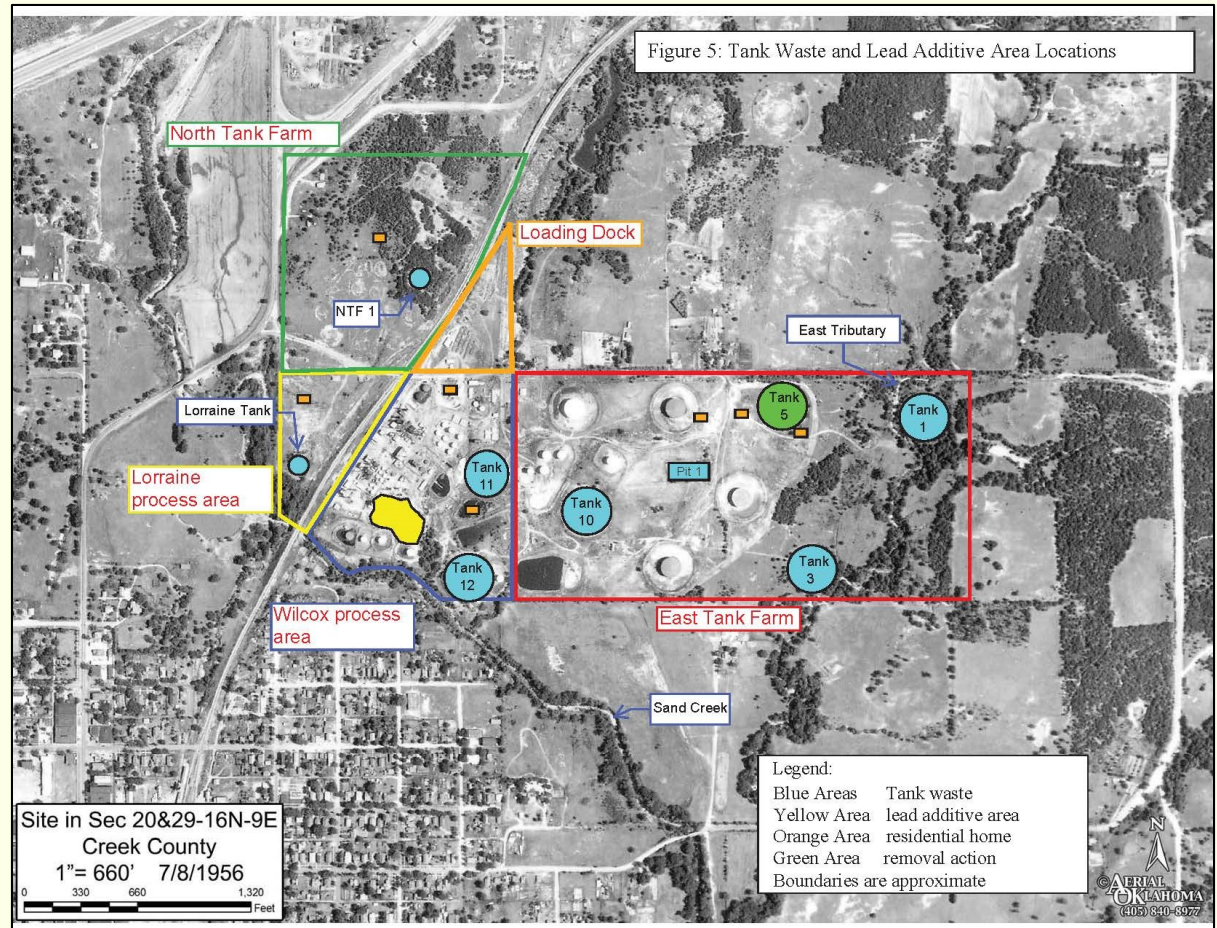
Areas of Remediation – Estimated Volumes	
Area Name	Volume Estimated (cubic yards)
Lorraine Waste	953
Lead Additive Area	2269
Tank 1	3,323
Tank 3	3,608
NTF-1	818
Tank 10	9,902
Tank 11	431
Tank 12	4,788
Pit 1	4,270
Total	30,362 (5 Acres)

Source Control ROD

Tank Waste and Lead Additive Area

Benefits:

- Potential for No further Action in the East Tank Farm
- 9 Sources removed
- 5 migration Pathways to the Creek removed
- 3 Residential Properties addressed
- Overall Site Risk Reduction: Human and Ecological



Programmatic Considerations

State Acceptance

Tribal Acceptance

Community Acceptance

Partial Deletion Consideration